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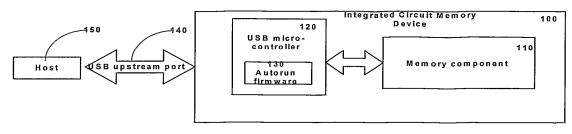
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(54) Title: AUTORUN FOR INTEGRATED CIRCUIT MEMORY COMPONENT



(57) Abstract: Autorun functionality is incorporated into an integrated circuit memory device (100) such as any USB peripheral, which has a memory component (110) interfaced to a USB microcontroller (120). This provides autorun of one or more executables or application installers from a memory component (110) with a USB interface without an intermediate hardware-based autorun feature. USB peripheral devices internally include a USB microcontroller (120) that performs the functionality associated with identifying the device to a host computing device (150), such as a personal computer. Autorun firmware (130) is embedded into the USB microcontroller (120). The autorun firmware (130) enables autorun of an installable or executable application stored on the memory component (110) of the USB device. The firmware (130) acts as a bridge component translating all commands and interactions between a host PC (150) and the memory component (100).

WO 2004/093149 A3 ||||||

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11372

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : G06F 9/24				
US CL : 713/1				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 713/100; 711/115, 170; 710/15				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCT	C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.	
X,P	US 2003/0110371 A1 (YANG et al) 12 June 2003 (12.6.2003), paragraph 0015.	1, 8-9	
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Y,P			10 and 16-17	
Х	US 2002/0078367 A1 (LANG et al) 20 June 2002 (2	20.6.2002), paragraphs 0023, 0030 and	1-4 and 8	
	0048.		********	
Y			10-13 and 16-18	
Y	US 2002/0101515 A1 (YOSHIDA et al) 1 August 2002 (1.8.2002), paragraphs 0207 and 0261.		5-6	
Y	US 6366966 B1 (LANEY et al) 2 April 2002 (2.4.2002), col. 1 lines 57-60, col. 2 lines 11-36 10-13 and 16-18			
Further documents are listed in the continuation of Box C.		See patent family annex.		
Special categories of cited documents:		"T" later document published after the interna	tional filing date or priority	
"A" document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the application principle or theory underlying the invention	on but cited to understand the	
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"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent fam	ily	
Date of the actual completion of the international search		Date of mailing of the international search report		
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11372

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
2. Claims Nos.: 7 because they relate to parts of the international application that do not comply with the prescribed requirement an extent that no meaningful international search can be carried out, specifically: It is unclear to the examiner as to what "with connections to plural distinct peripherals" refers to.	nts to such			
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of F	Rule 6.4(a).			
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
 As all required additional search fees were timely paid by the applicant, this international search report cover searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not in payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search covers only those claims for which fees were paid, specifically claims Nos.: 	ıvite			
4. No required additional search fees were timely paid by the applicant. Consequently, this international search restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	report is			
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.				

Form PCT/ISA/210 (continuation of first sheet(2)) (January 2004)